

AI Inference / MegaEdge

PCIe Series AIP-FR68-A1



Features

- Powered by Intel® 13th Gen Core™ i9/i7/i5 processors, TDP up to 65W
- Support 2x NVIDIA Passive AI card - AI Inference and Mainstream Computing
- 2 x M.2 M-Key 2280 supports NVME, AI accelerator card
- 1 x 10G and 3 x 2.5G RJ45 LAN Ports (2 x Support PoE)
- Up to 4 x 2.5" SSD/HDD and support RAID 0/1/5/10
- Built-in Out-of-Band Remote management module

Specifications

*Preliminary

Model Number	AIP-FR68-A1
CPU	13 th Gen. Intel® Core™ i9/i7/i5/i3 Processor up to 65W
Graphics	Intel® UHD Graphics 770
Chipset	Intel® R680E Chipset
System Memory	4 x DDR5 288-pin U-DIMM up to 32G Per DIMM
Storage	4 x 2.5" SATAIII SSD/HDD (RAID 0/1/5/10) 1 x M.2 M-Key Slot, Support PCIe Gen4 x4 for NVME/SATA, Size 2280 1 x M.2 M-Key Slot, Support PCIe Gen4 x4 for NVME, Size 2280 (NVMe Gen 4 available to support dual M.2 AI accelerator)
USB	8 x USB 3.2 Gen2 x 1 (Type-A) 1 x USB 3.2 Gen2 x 2 (Type-C)
LAN	3 x 2.5G RJ-45 Ethernet (I226-LM, LAN2/LAN3 support 802.3at PoE up to 30W/ch) 1 x 10G BASE-T RJ-45 (Marvell AQC113)
Serial port	1 x RS-485 (COM3, RJ45) 2 x RS-232/422/485 (COM1/2, DB9)
Display	1 x HDMI 2.0 2 x DP++ 1.4 (VGA optional / GPIO either one)
Expansion Slots	1x M.2 E-Key 2230 (USB2.0/PCIe) for Wi-Fi/BT module 1x M.2 B-Key 3052(USB2.0/USB3.2) for 5G module 1x PCIe Gen4 x16 or Gen4 x8 (PCIe x16 slot) 1x PCIe Gen4 x8 (PCIe x16 slot) 1x PCIe Gen3 x4 (PCIe x4 slot) 1x PCIe Gen3 x4 (PCIe x16 slot) 1x PCIe Gen3 x1 (PCIe x1 slot) 1x mini PCIe (USB2.0)
SIM Slot	1 x Nano SIM slot
GPIO	8 x bits GPIO
Audio	1 x Line-out, 1 x Mic-in
Button	1 x Power button 1 x AI button
Indicator	PCIe Slot-1/2 (POWER/FAN/TEMP) Green-access, Red Not access
MISC. Function	OOB (out of band), Built-in Innodisk – InnoAgent
Power Consumption	Idle: TBD Watts Full loading: TBD Watts
Power Input /Connector	DC-in 24~48V (Power input up to 600W) , 4-pin Terminal Block
Dimension (Wx Dx H)	339 x 215 x 279 mm
GPU Card support Dimension (Hx Wx D)	Based on NVFF5.0 112 x 269 x 39 mm (for Dual slots card) 112 x 244 x 19 mm (for Single Slot card)
Mounting	Wall mount
Net Weight	TBD kg
Vibration	1Grms ,IEC60068-2-64,Random,5 ~ 500 Hz ,1Hr / Axis (operation, w/o PCIe Card)
Shock	10G, IEC 60068-2-27, Half Sine, 11 ms Duration (operation, w/o PCIe Card)
Temperature	Operating Temp.:0°C ~ + 50°C (32°F ~ 122°F)(w/o Passive GPU) Operating Temp.:0°C ~ + 40°C (32°F ~ 104°F) (w/ Passive GPU) Storage Temp.: -40°C ~ + 85°C (- 40°F ~185°F)
Humidity	95% @ 40°C Related Humidity, Non-condensing
OS Support	Windows 10/11, Linux Ubuntu 22.04
Security	TPM 2.0
Certification	CE/FCC Class B